

**Neutron Scattering Points of Contact**  
**For More Information after Neutron Science Day**  
**Talks will be at <http://www.sns.gov/neutronsциenceday>**

Doug Abernathy, [abernathydl@ornl.gov](mailto:abernathydl@ornl.gov) (630-252-6752)  
*Atomic-scale dynamics at thermal and epithermal energies*

John Ankner, [jankner@anl.gov](mailto:jankner@anl.gov) (630-252-6408)  
*Density profiles normal to the surface at liquid surfaces and liquid interfaces*

Paul Butler, [butlerpd@ornl.gov](mailto:butlerpd@ornl.gov) (865-576- 6067)  
*Small angle neutron scattering, dynamic light scattering, surfactant colloids, complex fluids in shear, interfacial confinement effects*

Bryan Chakoumakos, [chakoumakobc@ornl.gov](mailto:chakoumakobc@ornl.gov) (865-574-5235)  
*Crystal structure systematics and structure-property relationships among inorganic materials, powder and single-crystal neutron and x-ray diffraction methods*

Hahn Choo, [hchoo@utk.edu](mailto:hchoo@utk.edu) (865-574-3918)  
*Residual stress mapping in engineering and research samples, micro residual stresses in polycrystalline composites, crystal structure and in situ studies*

Al Ekkebus, [ekkebusae@sns.gov](mailto:ekkebusae@sns.gov) (865-241-5644)  
*Spallation Neutron Source user program*

Jaime Fernandez-Baca, [fernandezbj@ornl.gov](mailto:fernandezbj@ornl.gov) (865-576-8659)  
*Inelastic neutron scattering, hard condensed matter, magnetism, magnetic oxides, magnetic excitations in solids*

Garrett Granroth, [ggranroth@anl.gov](mailto:ggranroth@anl.gov) (630-252-9884)  
*Atomic-scale dynamics in the 0-20 meV range*

Bill Hamilton, [hamiltonwa@ornl.gov](mailto:hamiltonwa@ornl.gov) (865-576-6068)  
*Neutron reflectometry, small angle neutron scattering, soft condensed matter, thin films and interfaces, complex fluid structure and flow*

Ken Herwig, [kherwig@anl.gov](mailto:kherwig@anl.gov) (630-252-5371)  
*Atomic scale dynamics, diffusive and vibrational motions of adsorbed molecules or large molecules*

Jason Hodges, [hodges@anl.gov](mailto:hodges@anl.gov) (630-252-9761)  
*Atomic structure in a wide variety of powdered crystalline samples*

Christina Hoffman, [choffman@anl.gov](mailto:choffman@anl.gov) (630 252-9885)  
*Atomic structure in moderate-unit-cell single crystal samples*

Camden Hubbard, [hubbardcr@ornl.gov](mailto:hubbardcr@ornl.gov) (865-574-4472)  
*Residual stress mapping in engineering and research samples, micro residual stresses in polycrystalline composites, crystal structure and in situ studies*

Frank Klose, [fklose@anl.gov](mailto:fklose@anl.gov) (630-252-7468)  
*Magnetic and chemical density profiles in surfaces, thin films and multiplayer systems*

Mark Lumsden, [lumsdenmd@ornl.gov](mailto:lumsdenmd@ornl.gov) (865-241-0090)  
*Neutron spectroscopy, magnetic materials, low-dimensional quantum magnetism.*

Lee Magid, [Imagid@utk.edu](mailto:Imagid@utk.edu) (865-974-2470)  
*Joint Institute for Neutron Sciences*

Yuri Melnichenko, [melnichenkoy@ornl.gov](mailto:melnichenkoy@ornl.gov) (865-576-7746)  
*Small angle neutron scattering; soft condensed matter; phase transitions and critical phenomena in liquid and supercritical polymer solutions, gels and blends; dynamics and structure of fluids confined in small pores*

Herb Mook, [mookhajr@ornl.gov](mailto:mookhajr@ornl.gov) (865-574-5242)  
*Magnetism and lattice dynamics of highly correlated electronic systems such as heavy fermion materials and the high temperature superconductors*

Steve Nagler, [naglerse@ornl.gov](mailto:naglerse@ornl.gov) (865-574-5240)  
*Inelastic neutron scattering and diffraction, novel materials, correlated electron systems, low dimensional and quantum magnetism, molecular magnets, phase transitions*

Judy Pang, [pangi@ornl.gov](mailto:pangi@ornl.gov) (865-241-4416)  
*Materials deformation understanding via synchrotron and neutron diffraction methods*

Andrew Payzant, [payzanta@ornl.gov](mailto:payzanta@ornl.gov) (865-574-6538)  
*Studies on polycrystalline materials as a function of temperature and atmosphere; internal strain and texture in engineering materials*

Claudia Rawn, [rawncj@ornl.gov](mailto:rawncj@ornl.gov) (865- 574-3184)  
*Crystal structure, site occupancy and atomic displacement parameters as a function of temperature and pressure, gas storage in clathrate structures*

Lee Robertson, [robertsonjl@ornl.gov](mailto:robertsonjl@ornl.gov) (865-574-5243)  
*Local atomic arrangements in alloys, martensitic phase transitions, lattice dynamics, structure and dynamics of liquids and amorphous materials*

Greg Smith, [smithgs1@ornl.gov](mailto:smithgs1@ornl.gov) (865-241-1742)  
High Flux Isotope Reactor user program, neutron reflectometry, soft condensed matter, thin films and interfaces, biomimetic materials

Steve Spooner, [spooners@ornl.gov](mailto:spooners@ornl.gov) (865-574-4535)  
*Residual stress mapping in engineering and research materials, small angle x-ray and neutron scattering, phase transformations, catalysis*

Chris Tulk, [ctulk@anl.gov](mailto:ctulk@anl.gov) (630-252-9881)  
*Atomic structure at pressures up to 100 Gpa*  
*Small-angle scattering from liquids and glasses, and analysis of disorder in crystalline materials*

Xun-li Wang, [wangxl@sns.gov](mailto:wangxl@sns.gov) (865-574-9164)  
*Internal strain and texture in engineering samples*

George Wignall, [wignallgd@ornl.gov](mailto:wignallgd@ornl.gov) (865-574-5237)  
*Small angle neutron scattering, macromolecular structures in the condensed and fluid states, polymers and polymers solutions.*

Barry Winn, [bwinn@bnl.gov](mailto:bwinn@bnl.gov) (631-344-2609)  
*Neutron triple axis spectroscopy, shape memory alloys*

Mohana Yethiraj, [yetherajm@ornl.gov](mailto:yetherajm@ornl.gov) (865-576-6069)  
*Triple axis spectrometry, small angle neutron scattering, superconductivity, magnetism and phase transitions*

Jerel Zarestky, [zarestkyjl@ornl.gov](mailto:zarestkyjl@ornl.gov) (865-574-4951)  
*Neutron triple-axis spectrometry, lattice dynamics, magnetism, intermetallic compounds, superconductivity*

Jinkui Zhao, [zhaoj@ornl.gov](mailto:zhaoj@ornl.gov) (865-574-0411)  
*Large-scale structures in a variety of materials, including biological molecules, polymers, colloidal systems*

Andre Zheludev, [zheludevai@ornl.gov](mailto:zheludevai@ornl.gov) (865-241-0098)  
*Inelastic neutron scattering and diffraction, quantum magnetism, low dimensional systems, novel materials*

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